

## ASSIGNMENT

RECORDED  
PATENT AND TRADEMARK  
OFFICE

WHEREAS the below named Inventor (if only one Inventor is named below) or Inventors (if plural inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement relating to

## DOPAMINE RECEPTORS AND GENES

for which an application for Letters Patent to be filed in the United States Patent and Trademark Office was executed on even date;

for which U.S. Application Serial No. 07/438,544 for Letters Patent was filed in the U.S. Patent and Trademark Office on November 20, 1989.

and for which an International Application was filed on \_\_\_\_\_  
PCT/ / \_\_\_\_\_, designating the United States.

AND WHEREAS, State of Oregon, acting by and through the Oregon State Board of Higher Education, acting for and on behalf of the Oregon Health Sciences University, Portland, Oregon.

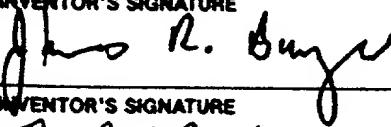
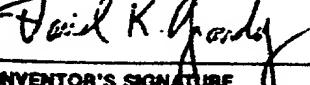
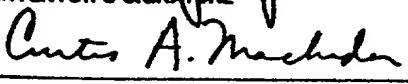
hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereof, including any and all renewals, reissues, and prolongations thereof.

NOW, THIS WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title, and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereof, including any and all renewals, reissues, and prolongations thereof, ASSIGNEE and its assigns and legal representatives to have, hold, exercise, and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patents which may be granted thereof, including any and all renewals, reissues, and prolongations thereof, with all the rights, powers, privileges, and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEE or its assigns or legal representative and to execute any other papers that may be needed in connection with filing said application and securing a Letters Patent thereon.

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR.

FULL NAME OF SOLE OR FIRST INVENTOR	INVENTOR'S SIGNATURE	DATE
Olivier CIVELLI		1/13/90
FULL NAME OF SECOND JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
James R. BUNZOW		1/12/90
FULL NAME OF THIRD JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
David K. Grandy		1/12/90
FULL NAME OF FOURTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE
Curtis A. MACHIDA		1/18/90
FULL NAME OF FIFTH JOINT INVENTOR, IF ANY	INVENTOR'S SIGNATURE	DATE

REEL 5239 FRAME 107

## COMBINED DECL.

## FOR P. NT APPLICATION AND POWER OF ATTORNEY

(Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER

OHSU 12

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

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DOPAMINE RECEPTORS AND GENES

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the specification of which (check only one item below):

is attached hereto.

was filed as United States application

Serial No. 07/438,544

on November 20, 1989,

and was amended

on \_\_\_\_\_ (if applicable).

was filed as PCT international application

Number \_\_\_\_\_

on \_\_\_\_\_,

and was amended under PCT Article 19

on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

## PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

COUNTRY (If PCT, indicate "PCT")	APPLICATION NUMBER	DATE OF FILING (day month year)	PRIORITY CLAIMED UNDER 35 USC 119
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

**Combined Declaration For Patent Application and Power of Attorney (Continued)**  
 (Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER  
 OHSU 12

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

U.S. APPLICATION NUMBER	U.S. FILING DATE	PATENTED	PENDING	ABANDONED
07/273,373	November 18, 1989		X	
PCT APPLICATION NO.	PCT FILING DATE	U.S. SERIAL NUMBERS ASSIGNED (if any)		

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint I. William Millen (19,544); John L. White (17,746); Anthony J. Zelano (27,969); John R. Moses (24,983); Harry B. Shubin (32,004); Brion P. Heaney (32,542); Diana Hamlet-King (33,302); Donald E. Townsend (22,069) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Send Correspondence to: **MILLEN, WHITE AND ZELANO, P.C.** Telephone No. **243-6333** Direct Telephone Calls to:  
 Arlington Courthouse Plaza I, Suite 1201  
 2200 Clarendon Boulevard  
 Arlington, Virginia 22201

201	FULL NAME OF INVENTOR	FAMILY NAME <b>CIVELLI</b>	FIRST GIVEN NAME <b>Olivier</b>	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY <b>Portland</b>	STATE OR FOREIGN COUNTRY <b>Oregon</b>	COUNTRY OF CITIZENSHIP <b>Switzerland</b>
	POST OFFICE ADDRESS	STREET <b>3012 N.E. 24th Avenue</b>	CITY <b>Portland</b>	STATE & ZIP CODE/COUNTRY <b>Oregon 97212</b>
202	FULL NAME OF INVENTOR	FAMILY NAME <b>BUNZOW</b>	FIRST GIVEN NAME <b>James</b>	SECOND GIVEN NAME <b>R.</b>
	RESIDENCE & CITIZENSHIP	CITY <b>Portland</b>	STATE OR FOREIGN COUNTRY <b>Oregon</b>	COUNTRY OF CITIZENSHIP <b>U.S.A.</b>
	POST OFFICE ADDRESS	STREET <b>9904 S.W. 56th Avenue</b>	CITY <b>Portland</b>	STATE & ZIP CODE/COUNTRY <b>Oregon 97219</b>
203	FULL NAME OF INVENTOR	FAMILY NAME <b>GRANDY</b>	FIRST GIVEN NAME <b>David</b>	SECOND GIVEN NAME <b>K.</b>
	RESIDENCE & CITIZENSHIP	CITY <b>Portland</b>	STATE OR FOREIGN COUNTRY <b>Oregon</b>	COUNTRY OF CITIZENSHIP <b>U.S.A.</b>
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204	FULL NAME OF INVENTOR	FAMILY NAME <b>MACHIDA</b>	FIRST GIVEN NAME <b>Curtis</b>	SECOND GIVEN NAME <b>A.</b>
	RESIDENCE & CITIZENSHIP	CITY <b>Portland</b>	STATE OR FOREIGN COUNTRY <b>Oregon</b>	COUNTRY OF CITIZENSHIP <b>U.S.A.</b>
	POST OFFICE ADDRESS	STREET <b>12720 N.W. Lovejoy</b>	CITY <b>Portland</b>	STATE & ZIP CODE/COUNTRY <b>Oregon 97229</b>
205	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	CITY	STATE & ZIP CODE/COUNTRY
206	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	CITY	STATE & ZIP CODE/COUNTRY

Combined Declaration For Patent Application and Power of Attorney (Continued)  
(Includes Reference to PCT International Applications)

ATTORNEYS DOCKET NUMBER

207	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	CITY	STATE & ZIP CODE/COUNTRY
208	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	CITY	STATE & ZIP CODE/COUNTRY
209	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	CITY	STATE & ZIP CODE/COUNTRY
210	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	CITY	STATE & ZIP CODE/COUNTRY
211	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	CITY	STATE & ZIP CODE/COUNTRY
212	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	CITY	STATE & ZIP CODE/COUNTRY

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201	DATE 1/12/90	SIGNATURE OF INVENTOR 207	DATE
SIGNATURE OF INVENTOR 202	DATE 1/12/90	SIGNATURE OF INVENTOR 208	DATE
SIGNATURE OF INVENTOR 203	DATE 1/12/90	SIGNATURE OF INVENTOR 209	DATE
SIGNATURE OF INVENTOR 204	DATE 1/18/90	SIGNATURE OF INVENTOR 210	DATE
SIGNATURE OF INVENTOR 205	DATE	SIGNATURE OF INVENTOR 211	DATE
SIGNATURE OF INVENTOR 206	DATE	SIGNATURE OF INVENTOR 212	DATE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
(Case No. 90,1092-U)  
(Formerly, OHSU-18-D1)

PATENT

In the Application of:

CIVELLI *et al.* ) Before the Examiner:  
Serial No.: 08/474,892 ) John Ulm  
Filed: June 7, 1995 ) Group Art Unit: 1812  
For: DOPAMINE RECEPTORS )  
AND GENES )

Asst. Commissioner for Patents  
Washington, DC 20231

**POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST**  
(REVOCATION OF PRIOR POWERS)

As assignee of record of the entire interest of the above identified

application  
 patent

**REVOCATION OF PRIOR POWERS OF ATTORNEY**

all powers of attorney previously given are hereby revoked and

**NEW POWER OF ATTORNEY**

The undersigned hereby appoints the following:

Denis A. Berntsen	Reg. No. 26707	Matthew J. Sampson	Reg. No. 35999
John J. McDonnell	Reg. No. 26949	Curt J. Whitenack	Reg. No. 36054
Daniel A. Boehnen	Reg. No. 28399	Christopher M. Cavan	Reg. No. 36475
Bradley J. Hulbert	Reg. No. 30130	Michael S. Greenfield	Reg. No. 37142
Paul H. Berghoff	Reg. No. 30243	Mark Chao	Reg. No. 37293
Grantland G. Drutchas	Reg. No. 32565	Roger P. Zimmerman	Reg. No. 38670
Steven J. Sarussi	Reg. No. 32784	Anthoula Pomrenning (agent)	Reg. No. 38805
David M. Frischkorn	Reg. No. 32833	George I. Lee	Reg. No. 39269
James C. Gumina	Reg. No. 32898	Patrick G. Gattari	Reg. No. 39682
A. Blair Hughes	Reg. No. 32901	Audrey L. Bartnicki	Reg. No. 40499
Thomas A. Fairhall	Reg. No. 34591	Amir N. Penn	Reg. No. 40767
Emily Miao	Reg. No. 35285	Patrick J. Halloran (agent)	Reg. No. 41053
Kevin E. Noonan	Reg. No. 35303	Thomas E. Wettermann	Reg. No. P41523
Leif R. Sigmond, Jr.	Reg. No. 35680	Robert J. Irvine	Reg. No. P41865
Lawrence H. Aaronson	Reg. No. 35818		

the mailing address and telephone number of each of whom is McDONNELL BOSEMAN HULBERT & BERNHARD, 300 South Wacker Drive, Suite 3200, Chicago, Illinois 60606, and (312) 913-0001, with full power of substitution and revocation to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith. Please direct all correspondence to Kevin E. Noonan.

EVIDENCE AND CERTIFICATION OF CHAIN OF TITLE

Recorded in PTO on JANUARY 22, 1990

Reel 5239  
Frame 107

Recorded herewith.

ASSIGNEE CERTIFICATION

In accordance with 37 C.F.R. § 3.73 the assignee hereby certifies that the evidentiary documents with respect to its ownership have been reviewed and that, to the best of assignee's knowledge and belief, title is in the assignee seeking to take this action.

Date: 5/12/98

Sandra Showell  
Signature

Name: Sandra Showell, Ph.D.  
Title: Director, Office of Technology Management